

QAPP AMENDMENT FORM: Amendment # 7

DATE FORM SUBMITTED: 7/23/07

QAPP Title **Quality Assurance Project Plan for the Ambient Air Monitoring Program**
130 Liberty Street Deconstruction Project
September 7, 2005

ITEM #1

This Amendment provides the current status and clarification on the locations of all air monitoring stations used for the 130 Liberty Street ambient air monitoring program. The Monitoring Station Summary (Table 7-4a) contained in this Amendment supercedes all prior information provided for the current locations.

Reason for Amendment:

The Amendment has been created to provide clarification to all parties on the status and current locations of all air monitoring stations.

Sections of QAPP Affected:

Figure 7-1: The locations of the current array of air monitoring stations are not accurately depicted on this figure. This figure has been updated to more accurately reflect the current locations of the monitoring stations. In addition, two new figures will be added to the QAPP (Figures 7-3 and 7-4) which will provide a three-dimensional view of all air monitoring stations.

Figure 6-1 (Project Timeline), Table 7-2 (Phase I: Preparation Phase & Asbestos and COPC Abatement and Removal Sampling and Analysis Summary), Table 7-3 (Phase II – Structural Deconstruction Phase Sampling and Analysis Summary), Table 7-4 (Summary of Relevant Information – Sampling Locations), and Table 14-1 (Sample Numbering Scheme):

The reference to the ground/street level stations has been changed to sidewalk bridge level for Stations 1, 2, and 10.

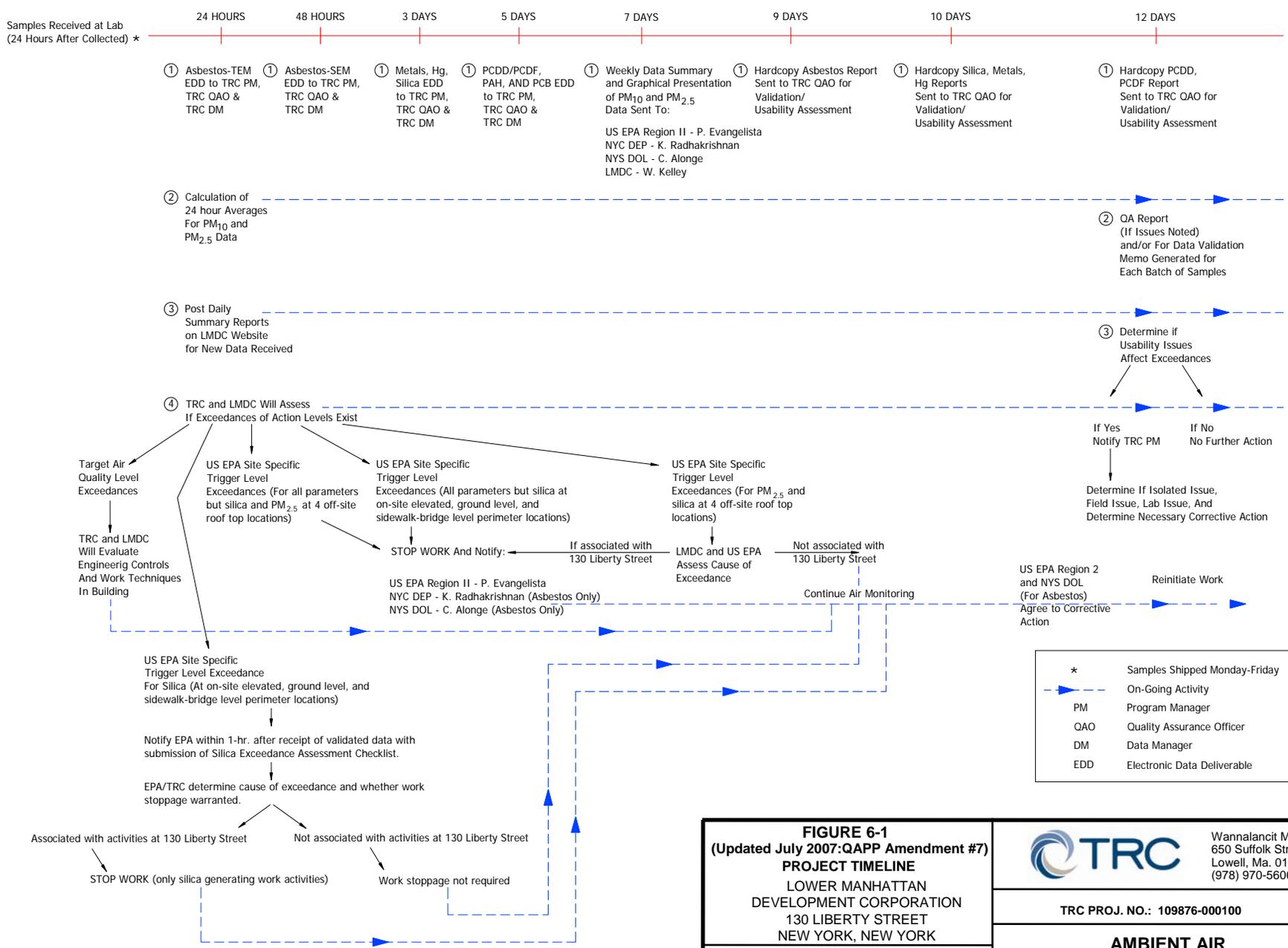
Table 7-4a: This table (Monitoring Station Summary) has been added to the QAPP to provide further clarification on all sample locations.

Attachment A: New photographs have been provided to accurately reflect the current locations of all air monitoring stations. These will be issued under separate cover on compact disk (CD) as per usual practice. Attachment A site photographs will also be posted on the LMDC web site.

Date Implemented:

June 2007

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| |
|---------------------------------|
| * Samples Shipped Monday-Friday |
| On-Going Activity |
| PM Program Manager |
| QAO Quality Assurance Officer |
| DM Data Manager |
| EDD Electronic Data Deliverable |

FIGURE 6-1
(Updated July 2007:QAPP Amendment #7)
PROJECT TIMELINE
 LOWER MANHATTAN
 DEVELOPMENT CORPORATION
 130 LIBERTY STREET
 NEW YORK, NEW YORK

Wannalancit Mills
 650 Suffolk Street
 Lowell, Ma. 01854
 (978) 970-5600

TRC PROJ. NO.: 109876-000100

**AMBIENT AIR
 MONITORING PROGRAM**

**Table 7-4a (QAPP Amendment #7)
Monitoring Station Summary, 130 Liberty Street Deconstruction as of June 2007**

| Station | Location Description in Plan | Location Description in QAPP | | Actual Location | Actual Level | Start-up Date |
|--|--|--|----------------------------|---------------------------------|-----------------|---|
| | | Site Location | Direction From 130 Liberty | | | |
| Ambient Air Monitoring Stations | | | | | | |
| Station 1 | Southwest of building (Washington St./Albany St.) at ground level | Ground Level - Washington Street/Albany Street | Southwest Corner | Southwest Area | Sidewalk Bridge | 9/14/2005 |
| Station 2 | Southeast of building (Albany St./Greenwich St.) at ground level | Ground Level - Albany Street/Greenwich Street | Southeast Corner | Southeast Area | Sidewalk Bridge | 9/14/2005 |
| Station 4 | Northwest of building (Washington St./Cedar St.) at ground level | Ground Level - Washington Street/Cedar Street | Northwest Corner | Northwest Area | Street | 9/14/2005 |
| Station 5 | Off-site roof top location (124 Liberty Street - FDNY 10-10 House) | Roof Top Off Site - 124 Liberty Street/FDNY 10-10 House | Northeast | Firehouse #10 | Roof | 9/14/2005 |
| Station 10 | Not suggested in Plan - Replaced Station 3 | Not suggested in QAPP - Replaced Station 3 | | North Side | Sidewalk Bridge | 9/19/2005 |
| Station 11 | Off-site roof top location (90 Trinity Place – School) | Roof Top Off Site - 90 Trinity Place - School | Southeast | 90 Trinity Place | Roof | 10/5/2005 |
| Station 12 | Off-site roof top location (110 Greenwich Street) | Roof Top Off Site - 110 Greenwich Street | South | 110 Greenwich Street | Roof | 10/6/2005 |
| Station 13 | Off-site roof top location (85 West Street – Marriott Hotel) | Roof Top Off Site - 85 West Street - Marriott Hotel | Southwest | Marriott Hotel 38th Floor | Roof | 10/5/2005 |
| Station 14 | Each side at elevation on scaffolding (Phase I and II only) | Scaffolding at Building; Floating Elevation | Southwest Corner | West Face - South end at corner | Scaffolding | In effect on 10th floor as of 11/19/05; in effect on 20th floor as of 12/11/05; in effect on 30th floor on 1/10/07; in effect on 20th floor on 3/11/07 with exception of silica which remained on 30th floor until 6/14/07; silica in effect on 29th floor on 6/15/07; in effect on 15th floor on 6/25/07 which exception of silica which remained on 29th floor (**) |
| Station 15 | Each side at elevation on scaffolding (Phase I and II only) | Scaffolding at Building; Floating Elevation | Southeast Corner | South Face - East end at corner | Scaffolding | |
| Station 16 | Each side at elevation on scaffolding (Phase I and II only) | Scaffolding at Building; Floating Elevation | Northeast Corner | East Face - North end at corner | Scaffolding | |
| Station 17 | Each side at elevation on scaffolding (Phase I and II only) | Scaffolding at Building; Floating Elevation | Northwest Corner | North Face - West end at corner | Scaffolding | |
| Roof Station | Roof top of 130 Liberty Street until onset of deconstruction, at which point the station will be collocated with one of the off site rooftop air monitoring stations | Roof top of 130 Liberty Street until onset of deconstruction, at which point the station will be collocated with one of the off site rooftop air monitoring stations | | Building Roof | Roof | |
| Ground Station | Not Suggested in Plan | Not Suggested in QAPP | | Liberty Street | Sidewalk Bridge | 11/2/2005 |

Notes:

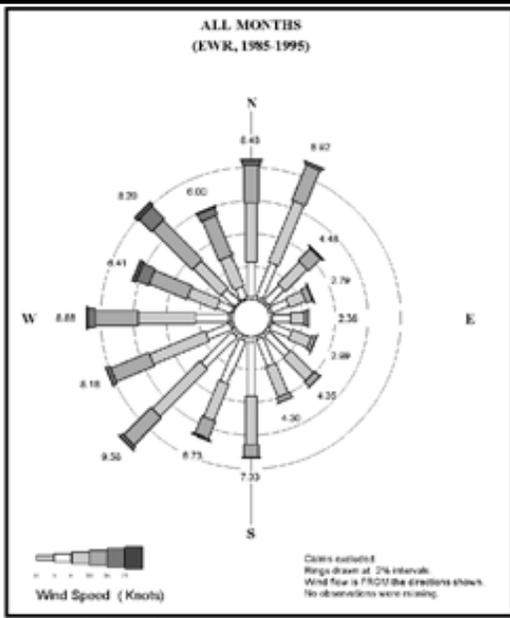
There was a minor move of the Meteorological Ground Level Station on 4/24/2007 due to construction logistics; however, the location description remains the same.

Stations 3, 6, 7, 8, and 9 are no longer in service.

** As per the Ambient Air Monitoring Plan Amendment #5, the location of the silica monitors will move with deconstruction.

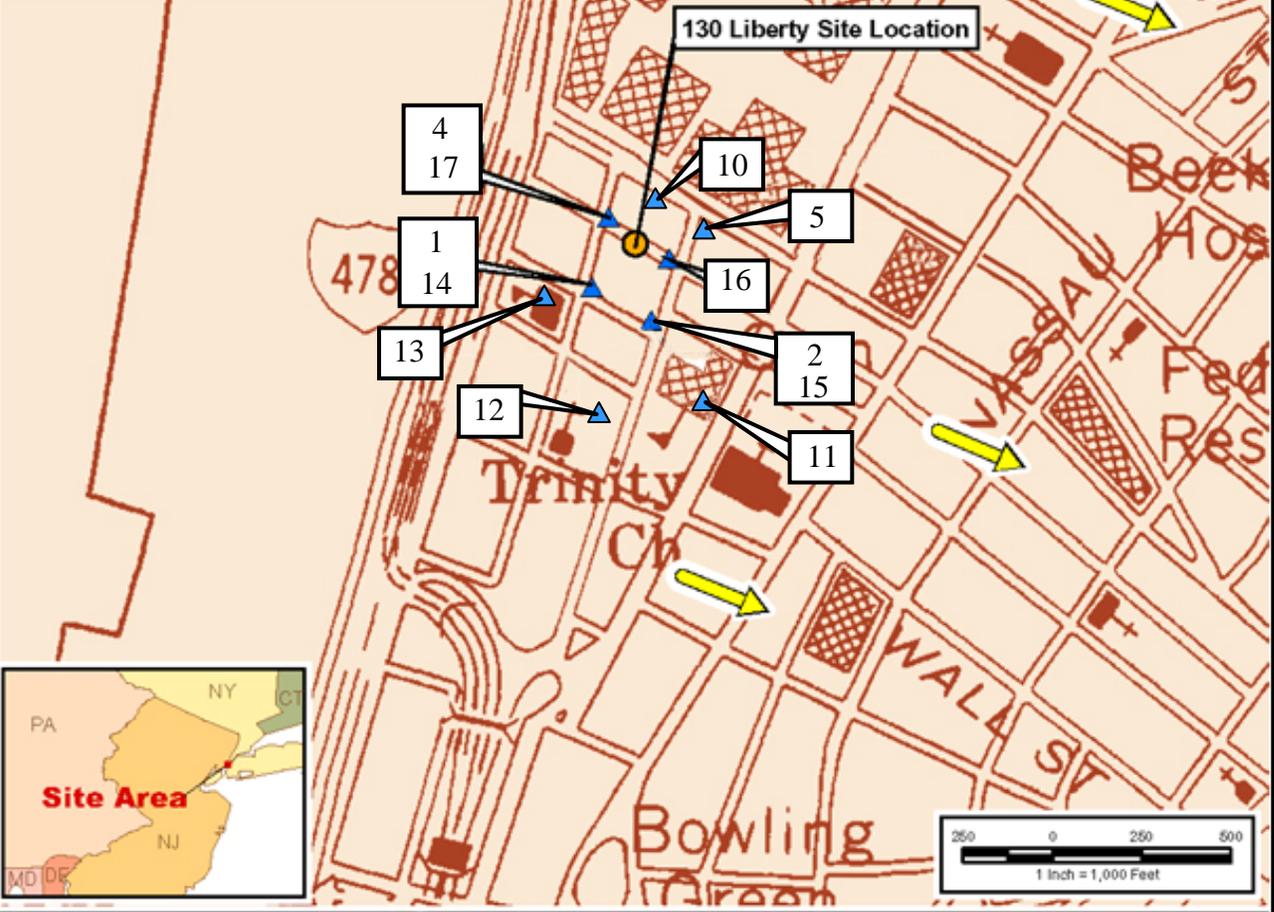
Plan - Ambient Air Monitoring Plan, Section 2 of the Deconstruction Plan submitted September 7, 2005

QAPP - Ambient Air Monitoring Quality Assurance Project Plan



Legend

▲ Monitoring Locations



LEGEND: AVERAGE WIND DIRECTION

SOURCE: USGS 7.5 Minute Series (Topographic) Quadrangles: Jersey City, NJ-NY
Wind Roses for Newark International Airport, 1985-1995

PROJECT: 130 LIBERTY STREET
DECONSTRUCTION PROJECT

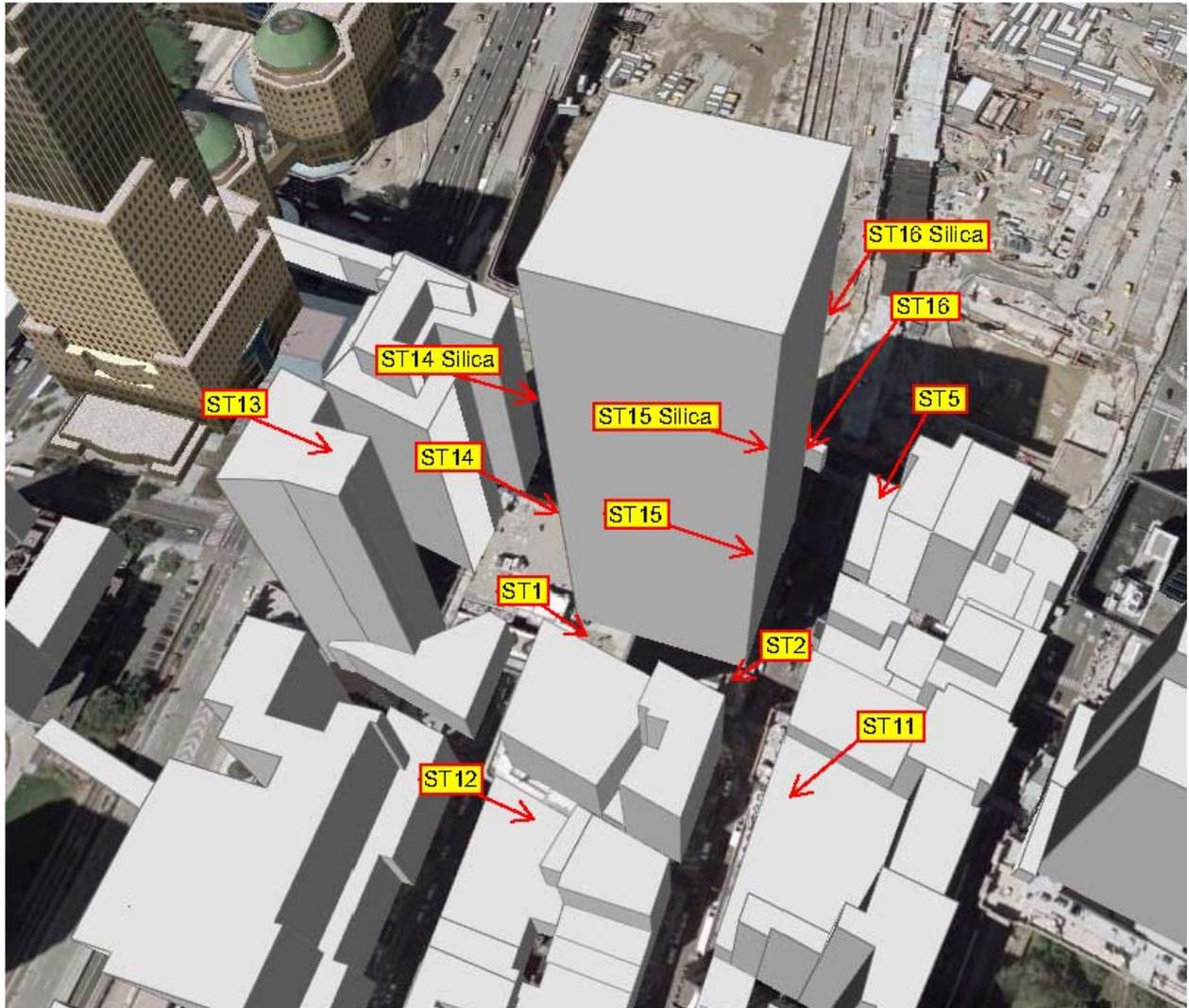
**Site Location Map for
Ambient Air Monitoring Locations
130 Liberty Street
New York, New York
Updated June 2007: QAPP Amendment #7**

TRC Wannalancit Mills
650 Suffolk Street
Lowell, Ma. 01854
(978) 970-5600

**FIGURE
7-1**

DRAWN: MAN SCALE: AS SHOWN
CHECKED: GH Date 6/26/07

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3-Dimensional View of Air Monitoring Stations from The South



Wannalancit Mills
650 Suffolk Street
Lowell, Ma. 01854
(978) 970-5600

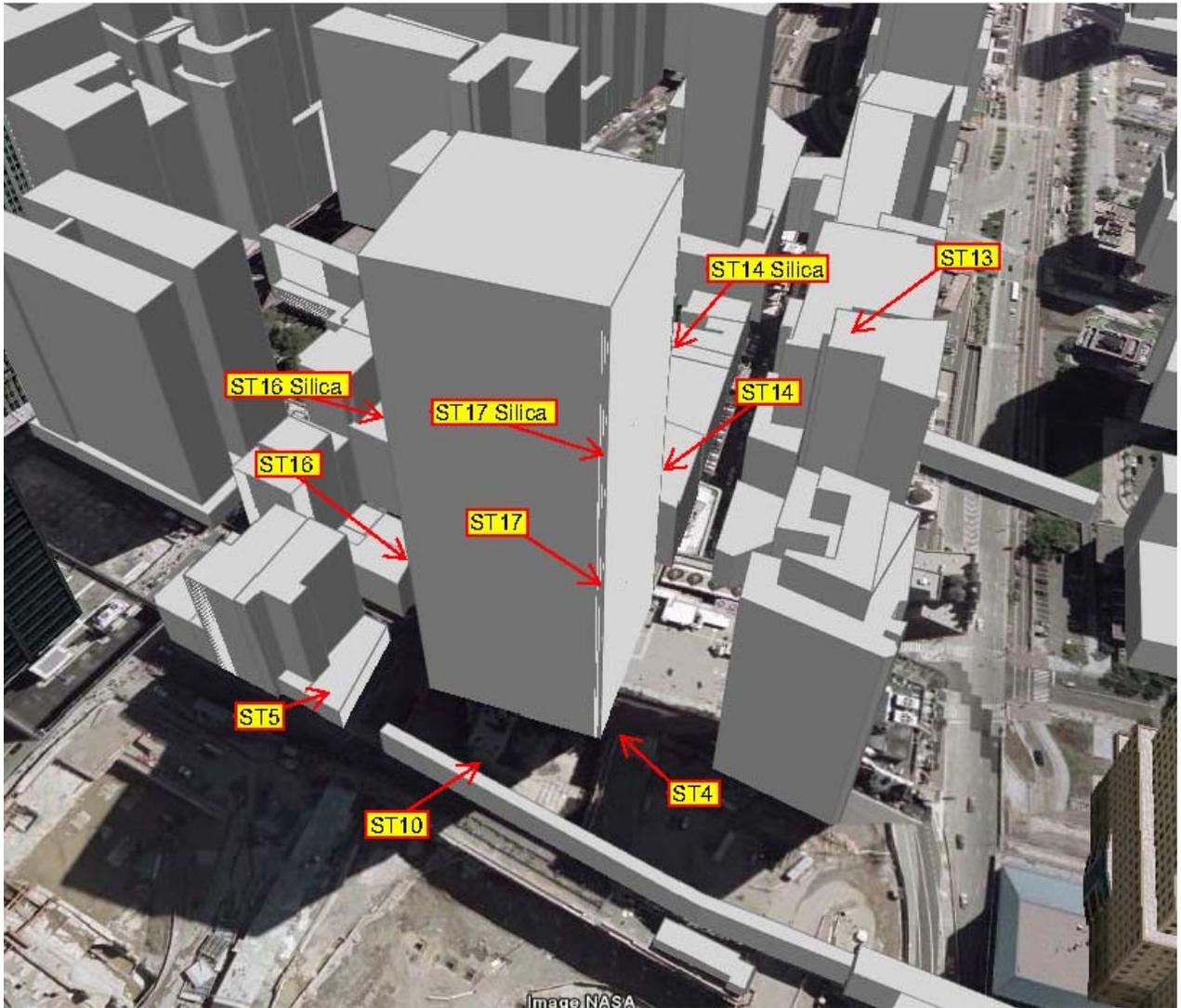
**FIGURE
7-3**

DRAWN: MAN

SCALE: AS SHOWN

CHECKED: GH

Date 6/26/07



3-Dimensional View of Air Monitoring Stations from The North



Wannalancit Mills
650 Suffolk Street
Lowell, Ma. 01854
(978) 970-5600

**FIGURE
7-4**

DRAWN: MAN

SCALE: AS SHOWN

CHECKED: GH

Date 6/26/07

Table 14-1. Sample Numbering Scheme
Updated: June 2007 (QAPP Amendment #7)

| Sample Locations | Numbering Scheme |
|---|----------------------------------|
| Station 1 | parameter – ST 1 - mmddyy |
| Station 2 | parameter – ST 2 - mmddyy |
| Station 3 (*) | parameter – ST 3 - mmddyy |
| Station 4 | parameter – ST 4 - mmddyy |
| Station 5 | parameter – ST 5 - mmddyy |
| Station 6 (+) | parameter – ST 6 - mmddyy |
| Station 7 (+) | parameter – ST 7 - mmddyy |
| Station 8 (+) | parameter – ST 8 - mmddyy |
| Station 9 (+) | parameter – ST 9 - mmddyy |
| Station 10 | parameter – ST 10 - mmddyy |
| Station 11 | parameter – ST 11 - mmddyy |
| Station 12 | parameter – ST 12 - mmddyy |
| Station 13 | parameter – ST 13 - mmddyy |
| Station 14 | parameter – ST 14 - mmddyy |
| Station 15 | parameter – ST 15 - mmddyy |
| Station 16 | parameter – ST 16 - mmddyy |
| Station 17 | parameter – ST 17 - mmddyy |
| Field/Trip Blanks | parameter – FBB - mmddyy |
| Field Duplicates | Append “0” to original sample ID |
| Cooler Temperature Blank | “Cooler Temperature Blank” |
| Example Sample Location ID: PAH-ST1-082205 | |
| Example Field Duplicate Pair ID: PAH-ST10-082205/PAH-ST100-082205 | |
| (*) – In use from 9/14/05 through 9/16/05 | |
| (+) – In use from 9/14/05 through 9/28/05 and 7/6/06 through 9/21/06 | |

Denly, Elizabeth (Lowell,MA-US)

From: Keveney.Emmett@epamail.epa.gov
Sent: Wednesday, July 18, 2007 4:19 PM
To: Denly, Elizabeth (Lowell,MA-US)
Cc: Kolenberg.Beverly@epamail.epa.gov; Porembski, Brian (Lowell,MA-US); caristienl@dep.nyc.gov; christopher.alonge@labor.state.ny.us; Gerdtz, Edward (NYC,NY-US); Hunt, Gary (Lowell,MA-US); Guido, Jennifer (NYC,NY-US); Kaznosky, James (NYC,NY-US); Fradkin.Kenneth@epamail.epa.gov; krishr@dep.nyc.gov; Maddaloni.Mark@epamail.epa.gov; maxl@buildings.nyc.gov; mendelson.richard@dol.gov; mgilsenan@dep.nyc.gov; Gollands, Mark (Lowell,MA-US); Lihzis, Melita (Lowell,MA-US); Evangelista.Pat@epamail.epa.gov; richardr@buildings.nyc.gov; Fitzpatrick.Robert@epamail.epa.gov; roberti@buildings.nyc.gov; sjcarlom@gw.dec.state.ny.us; tkunkel@lmccc.nyc.gov; Dimas.Melissa@epamail.epa.gov
Subject: 130 Liberty Street: AMP Amendment #6 and QAPP Amendment #7 - Station Locations for Air Monitoring Program

Attachments: AMP Amendment #6.pdf; QAPP Amendment #7.pdf; FIGURE 6-1.ppt



AMP Amendment #6.pdf (1 MB) QAPP Amendment #7.pdf (1 MB) FIGURE 6-1.ppt (136 KB)

This is to inform you that the U.S. Environmental Protection Agency (EPA) has completed its review of the July 5, 2007 Amendment No. 6 to Section 2 - Ambient Air Monitoring Plan and the July 5, 2007 Amendment No. 7 to the Quality Assurance Project Plan (QAPP) of the 130 Liberty Street Deconstruction Plan and the July 6, 2007 revised Figure 6-1 to QAPP Amendment No. 7. EPA accepts the July 5, 2007 Amendment No. 6 to Section 2 - Ambient Air Monitoring Plan. EPA also accepts the July 5, 2007 Amendment No. 7 to the QAPP and the July 6, 2007 revised Figure 6-1 which supersedes Figure 6-1 specified in the July 5, 2007 QAPP Amendment No. 7 submitted electronically in a pdf format.

EPA and the other regulatory agencies will monitor the deconstruction work as it progresses, and we will continue our ongoing consultation with you throughout the execution of the project. Please post the amendment onto the LMDC web site based on the acceptance of these amendments electronically. Thank you.

(See attached file: AMP Amendment #6.pdf)(See attached file: QAPP Amendment #7.pdf)(See attached file: FIGURE 6-1.ppt)